rotate in the direction of the open double tablet position. The tensioner in the sliding pivot hinge can cause the display platforms **502** and **504** to automatically transition from the laptop or book mode position to the open double tablet position in response to the display platforms no longer being locked in the laptop or book mode position.

[0043] FIG. **6** shows an embodiment of a flexible screen interface **600** including a plurality of layered structures similar to that described above for the flexible screen interface surface **460**. The flexible screen interface **600** of the presently disclosed embodiment shows a flexible display screen **606** that may slide relative to the flexible screen interface **600**. The flexible display screen **606** has a protective layer **608** in an example embodiment for engagement with the flexible screen interface **600**. In an example embodiment, the protective layer **608** has a metallic or ferric component. The flexible screen interface **600** includes a flexible layer **660** for attachment and interface with the display platforms or the sliding pivot hinge components of the information handlings systems described above. The flexible screen interface **600** further includes small magnets **665** embedded in the flexible substrate associated with flexible layer **660** in an example embodiment. The small magnets interact with ferric, flexible layer **660**. As a result, the flexible screen interface **600** may maintain contact between the display platforms and a flexible display. In another embodiment, flexible layer **660** may include embedded small magnets **665** within protrusions or projections **670** from the flexible layer some of which may contain the small magnets. In another embodiment, flexible substrate ridges or other structures containing one or more magnets or magnetic bars may protrude from flexible layer **660** to engage with protective layer **608** of the flexible display screen **606**.

[0044] Although only a few exemplary embodiments have been described in detail herein, those skilled in the art will readily appreciate that many modifications are possible in the exemplary embodiments without materially departing from the novel teachings and advantages of the embodiments of the present disclosure. Accordingly, all such modifications are intended to be included within the scope of the embodiments of the present disclosure as defined in the following claims. In the claims, means-plus-function clauses are intended to cover the structures described herein as performing the recited function and not only structural equivalents, but also equivalent structures.

[0045] The above-disclosed subject matter is to be considered illustrative, and not restrictive, and the appended claims are intended to cover any and all such modifications, enhancements, and other embodiments that fall within the scope of the present invention. Thus, to the maximum extent allowed by law, the scope of the present invention is to be determined by the broadest permissible interpretation of the following claims and their equivalents, and shall not be restricted or limited by the foregoing detailed description.

What is claimed is:

1. An information handling system comprising:

a flexible display screen;

first and second display platforms, the flexible display screen movably mounted to the first and second display platforms; and

a sliding pivot hinge with at least two sliding pivot hinge sides; and

at least one sliding pivot hinge side in physical communication with the first display platform and which slides in relation to the first display platform,

wherein the flexible display screen is supported across the first and second display platforms by translation of the first display platform relative to the sliding pivot hinge.

2. The information handling system of claim **1**, further comprising:

a second sliding pivot hinge side in physical communication with the second display platform and which slides in relation to the second display platform.

3. The information handling system of claim **2**, wherein the first display platform and the second display platform both translate relative to the sliding pivot hinge during change in configuration of the information handling system.

4. The information handling system of claim **1**, further comprising:

a tensioner to apply constant tension on the first display platform relative to the sliding pivot hinge.

5. The information handling system of claim **4**, wherein the tensioner is a constant tension spring integrated into the at least one hinge side of the sliding pivot hinge.

6. The information handling system of claim **1**, further comprising:

a second tensioner to apply constant tension on the second display platform relative to the sliding pivot hinge.

7. The information handling system of claim **1**, further comprising:

a hinge locking mechanism to maintain the information handling system in at least one configuration position.

8. An information handling system comprising:

a flexible display screen;

first and second display platforms, the flexible display screen movably mounted to the first and second display platforms; and

a sliding pivot hinge with at least two sliding pivot hinge sides;

at least one sliding pivot hinge side in physical communication with the first display platform and which slides relative to the first display platform; and

a flexible display interface to maintain the first and second display platform and the sliding pivot hinge in communication with the flexible display screen.

9. The information handling system of claim **8**, further comprising:

a pivot pin disposed between the at least two sliding pivot hinge sides.

10. The information handling system of claim **8**, further comprising:

a tensioner to apply constant tension on the first display platform relative to the sliding pivot hinge.

11. The information handling system of claim **8**, wherein the flexible display interface further comprises a flexible magnetic track in magnetic communication with a ferric metal layer of the flexible display screen.

12. The information handling system of claim **8**, wherein the flexible display interface includes a magnet embedded in a flexible substrate proximate to the sliding pivot hinge.

13. The information handling system of claim **11**, wherein the flexible magnetic track exerts magnetic force to maintain magnetic communication between the flexible display screen and the flexible magnetic track after change in configuration of the first and second display platforms relative to one another.